Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/26/2019 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125115	0	2.33	125216	2.32
Blue	F	SSC	125000	124163	-1	1.69	124967	1.70
Blue	E	FITC	16433	16126	-2	2.62	350	20.10
Blue	D	PE	27595	27285	-2	1.82	594	14.46
Blue	B	PerCP-Cy5-5	43183	43321	0	3.61	1163	20.45
Blue	A	PE-Cy7	31943	32045	0	5.97	615	39.75
Red	C	APC	42819	42031	-2	2.39	1484	11.96
Red	A	APC-Cy7	31261	30849	-2	2.34	817	11.82
Violet	B	V450	6527	6255	-5	4.18	349	12.67
Violet	A	V500	24533	23674	-4	3.88	552	10.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17839	12.27	615	15	N/A	N/A	Pass
Blue	F	SSC	56562	1.20	554	6	N/A	N/A	Pass
Blue	E	FITC	63	65.51	541	2	0.0203	166	Pass
Blue	D	PE	124	47.66	538	4	0.1621	235	Pass
Blue	B	PerCP-Cy5-5	215	49.08	653	11	0.0089	30	Pass
Blue	A	PE-Cy7	114	100.12	700	11	0.0116	21	Pass
Red	C	APC	355	24.71	578	-5	0.0251	133	Pass
Red	A	APC-Cy7	180	28.29	559	-4	0.0057	887	Pass
Violet	B	V450	53	57.66	446	-9	0.0582	2150	Pass
Violet	A	V500	82	33.94	458	-9	0.0255	999	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-32.14	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.35	13.60 - 20.40	N/A	N/A	29.68	30.16	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10308

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments